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High Specification Jackup

General Description

Design / GenerationFriede & Goldman JU3000N
Constructing Shipyard..... Jurong Shipyard Pte. Ltd. Singapore
Year Entered Service / Significant Upgrades 2013
Classification DNV,1A1, Self-Elevating Drilling Unit
FlagLiberia (Monrovia)
Overall Dimensions231 ft.long x 277 ft.wide x 31 ft deep
Legs (3) 554.7 ft. long, Triangular
Drafts 20.73ft @ Max VDL
Accommodation 150 persons
Displacement 57,562kips
Variable Deck 11,786 kips operating / 8,783 kips transit (spud cans full)

Transit Speed..... up to 5 knots, @ 248st bollard pull
Operating Water Depth..... 400 ft. designed / 400 ft. outfitted

Maximum Drilling Depth..... 35,000ft

Drilling Equipment

Derrick NOV Bolted Single Static Bottleneck Derrick 210 ft. high, with 40 ft. x 45 ft. base
Hookload Capacity 2,500,000lbs gross nominal capacity
Cantilever/ Drill floor 75 ft / 15 ft Port & 15ft Stbd
Drawworks NOV SSGD-1250-6900-57-100-10.5. 6 x Baylor Air Cooled AC Induction motors suitable for 2" drill line
Rotary Table NOV RST-495 49-1/2" table opening, hydraulic drive, rated 999.51st
Top Drive NOV TDX-1000, 999.51st static/dynamic load rating 1150hp AC motor Baldor. Max speed 250rpm, Max continuous torque 91,500 ft.-lbs. Max MU/BO torque 120,000 / 150,000 ft.-lbs, IBOP 3.75" – 15k
Tubular Handling Diverter (1) NOV ST-160, 3-1/2" to 10" OD drill pipe, Vetco KFDJ 1000, 47" diverter rated to 1000psi
Mud Pumps (3) NOV 14-P-220 triplex pumps, each driven by 1100 hp (electric OEM motor) 7,500 psi rated
Solids Control (5) NOV Brandt VSM 300 shale shakers

Power & Machinery

Main Power (5) Caterpillar C-175-16 diesel engines rated at 2,588hp at 1200rpm each with ABB generator rated to 2,287kW
Emergency Power (1) Caterpillar 3512-B diesel engine rated at 1,909hp at 1,800rpm with Leroy Somer generator rated to 1250kW

Storage Capacities

Fuel Oil.....5,183 bbls
Liquid Mud 7,847 bbls
Base Oil 2,132 bbls
Brine 2,214 bbls
Drill Water 11,252 bbls
Potable Water 4,082 bbls
Bulk Material (mud + cement) 18,000 cu-ft
Sack Storage.....5,000 sacks

BOP & Well Control Equipment

BOP Rams (2) Cameron Double TL double rams 18-3/4" 15k psi BOP
BOP Annular (1) Shaffer 18-3/4" 10,000psi annular preventer
BOP Handling (2) NOV Cylinder Gripper Push – Pull Travel, rated 0.15mt each

Mooring Equipment

Mooring Winches (4) PH hydraulics electric winches rated at 40/80 mt capacity (fwd / aft winches) 120-220 mt brake holding
Anchor Lines 2460ft x 2" Galvanised EIPS, IWRC, 6x36, RRL
Anchors (4) Flipper Delta anchor

Cranes

Cranes (3) NOV OC3000LCE, 75mt capacity (1) NOV PC1891KCE knuckle boom crane, 5.5mt capacity

Special Features & Other Information

CTU PH Hydraulics / CTU 100mt tension capacity, 609.6mm stroke (primary), PH Hydraulics / 2 pistons below drill floor 136mt tension capacity, 914.4mm stroke (secondary)
RPD System Yes
Helideck Rated for S61N, S92 and EH101 helicopters. CAP 437
Offline Systems:
Pipe Handling (1) NOV racking platform capacities:
 Up to 266 stands 6-5/8" DP
 12 stands 9-3/4" DC
 24 stands of 16", 14", 13-5/8" or 13-3/8" casing or 72 stands 11-3/4", 10-3/4", 9-5/8" or 7" casing



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Borr Drilling standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

